

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of	)	
	)	Examiner: Not Yet Assigned
Andrew S. Goldsborough	)	
	)	Art Unit:
Application No.:	)	
	)	
Filed: 8 April 2004	)	
	)	
For: ISOLATION OF NUCLEIC ACID	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.56 AND 1.97(c)

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

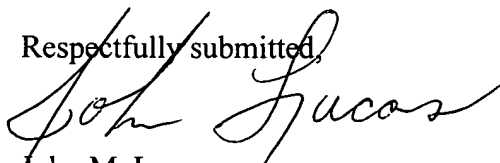
The references listed in the attached modified PTO Form 1449, copies of which are part of the parent application, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

In addition to the above, Applicant further wishes to make the Examiner aware of U.S. Application Serial No. 10/011,495 which claims priority to four UK foreign priority documents to which the instant application also claims priority.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed before receipt of the first office action. Therefore the Applicant does not believe any fee is due.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John Lucas", written in a cursive style.

John M. Lucas  
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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>	Atty Docket No.	US2Goldsborough
	Application No.:	
	Inventor	Andrew S. Goldsborough
	Group	
		Filing Date

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
	A	5,707,796	1/13/98	Gold et al.			
	B	5,426,180	6/20/95	Kool			
	C	5,872,232	2/16/99	Cook et al.			
	D	5,859,221	1/12/99	Cook et al.			
	E	5,681,726	10/28/97	Huse et al.			
	F	5,783,425	7/19/98	Dudycz			
	G	5,660,985	8/26/97	Kirschenheuter et al.			

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	H	99/55857	11/4/99	WO				
	I	99/36517	7/22/99	WO				
	J	99/14346	3/25/99	WO				
	K	92/03568	3/5/92	WO				
	L	98/13526	4/2/98	WO				

**Other Documents**

Examiner Initial	No.	Author, Title, Place (e.g. Journal) of Publication
	M	Heidenrich, Olaf et al., "Chemically Modified RNA: Approaches and Applications", The FASEB Journal, January 1993, Vol. 7
	N	Heidenrich, Olaf et al., "High Activity and Stability of Hammerhead Ribozymes Containing 2'-Modified Pyrimidine Nucleosides and Phosphorothioates", The Journal of Biological Chemistry, Vol. 269, No. 3, January 21, pp. 2131-2138, 1994.
	O	Aurup, Helle et al., "Translation of 2'-Modified mRNA <i>in vitro</i> and <i>in vivo</i> ", Nucleic Acids Research, 1994, Vol. 22, No. 23. pp.4963-4968.
	P	Xin, Wei et al., "Treatment of Duck Hepatitis B Virus by Antisense Poly-2'-O-(2,4-Dinitrophenyl)-Oligoribonucleotides", Bioenergetics Laboratory, Natural Sciences Center, State University of NY, Buffalo, July 1998
	Q	Iribarren, Adolfo M. et al., "2'-O-Alkyl Oligoribonucleotides as Antisense Probes", Proc. Natl. Acad. Sci., Vol. 87, pp 7747-7751, October 1990.

	R	Inoue, Hideo et al, "Synthesis and Hybridization Studies on Two Complementary Nona(2'-O-methyl) Ribonucleotides", Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo 060, Japan, June 1987.
	S	Scherr, Michaela et al., "Synthesis and Properties of Hammerhead Ribozymes Stabilized Against Nucleases by Different 2'-Modifications: Methoxyethoxy-, Fluoro- and Amino Groups", Bioorganic & Medicinal Chemistry Letters, Vol. 7, No. 13, pp. 1791-1796, 1997.
	T	Lewis "Kits take the trickiness out of RNA isolation, purification" The Scientist 11(7):16 Mar. 31, 1997.
	U	OVODOV, S.Y., "mRNA acetylated at 2'-OH-groups of ribose residues is functionally active in the cell-free translation system from wheat embryos", FEBS 270(1,2):111-114 (1990).
	V	PAGRATIS, N.C. et al. "Potent 2'-amino-, and 2'-fluoro-2'-deoxyribonucleotide RNA inhibitors of keratinocyte growth factor", Nature Biotechnology 15(1): 68-73 (1997).
	W	SPROAT, B.S., "Chemistry and applications of oligonucleotide analogues", Journal of Biotechnology 41:221-238 (1995).
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.